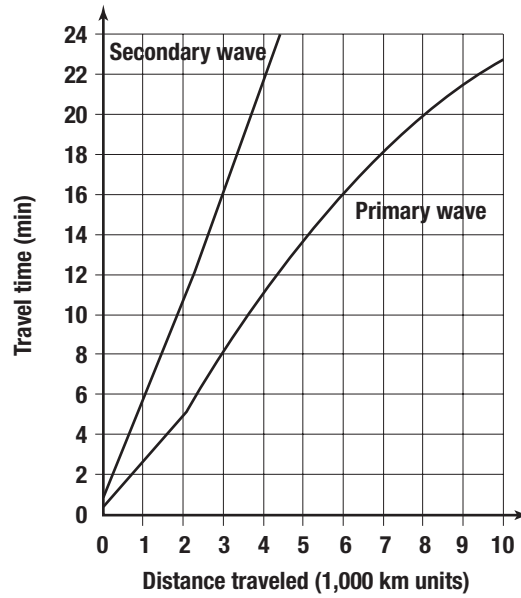


SECTION 2

Reinforcement

Features of Earthquakes

Directions: The graph below shows travel time in minutes and distance traveled for primary and secondary waves. Primary and secondary waves start at the same time but do not travel at the same speed. Study the graph. Use the graph to help answer the questions that follow using complete sentences.



- How long does it take for a primary wave to travel 2,000 km? _____
- How long does it take for a secondary wave to travel 2,000 km? _____
- How far does a secondary wave travel in 10 min? _____
- How far does a primary wave travel in 10 min? _____
- What happens to the time difference between primary and secondary waves as the distance traveled gets longer? _____
- Suppose a primary and secondary wave both travel a distance of 4,000 km before they are picked up by a seismograph. Which wave will arrive first? _____
- How much difference in time will there be between these two waves at 4,000 km? _____
- Suppose both a primary and secondary wave start together and travel for 5 min. Which wave will travel further? _____